

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/014481

Source: IFND

Date Processed by STIC: 11/30/4

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IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/614,481

DATE: 11/30/2004

TIME: 15:06:00

Input Set : N:\Crf3\RULE60\10614481.raw

Output Set: N:\CRF4\11302004\J614481.raw

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1 <110> APPLICANT: Bublot, et al.
2 <120> TITLE OF INVENTION: Equine GM-CSF
3 <130> FILE REFERENCE: 454313-2334.1
4 <140> CURRENT APPLICATION NUMBER: US/10/614,481
5 <141> CURRENT FILING DATE: 2003-07-07
6 <150> PRIOR APPLICATION NUMBER: US/09/589,460
7 <151> PRIOR FILING DATE: 2000-06-07
8 <150> PRIOR APPLICATION NUMBER: 60/138,843
9 <151> PRIOR FILING DATE: 1999-06-10
10 <160> NUMBER OF SEQ ID NOS: 9
11 <170> SOFTWARE: PatentIn version 3.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 20
15 <212> TYPE: DNA
16 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
18 <223> OTHER INFORMATION: oligonucleotide primer
-> 19 <221> NAME/KEY: misc_feature
20 <222> LOCATION: (13)..(13)
21 <223> OTHER INFORMATION: nucleotide "y" can be either of the pyrimidine nucleotides
" or
22 "t"
-> 23 <400> 1
24 tgggcactgt ggyctgcagc 20
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 17
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: oligonucleotide primer
-> 32 <221> NAME/KEY: misc_feature
33 <222> LOCATION: (9)..(9)
34 <223> OTHER INFORMATION: nucleotide "r" can be either of the purine nucleotides "a" or
"
-> 35 <400> 2
36 agcatgtgra tgccatc 17
38 <210> SEQ ID NO: 3
39 <211> LENGTH: 21
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: oligonucleotide primer
44 <400> SEQUENCE: 3
45 agctcccagg gctagctcct a 21

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47 <210> SEQ ID NO: 4

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49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: oligonucleotide primer
53 <400> SEQUENCE: 4
54      ccctgtttgt acagcttcag g                                21
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 21
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: oligonucleotide primer
62 <400> SEQUENCE: 5
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66 <211> LENGTH: 44
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: oligonucleotide primer
71 <400> SEQUENCE: 6
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76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: oligonucleotide primer
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84 <211> LENGTH: 435
85 <212> TYPE: DNA
86 <213> ORGANISM: Equine sp.
87 <220> FEATURE:
88 <221> NAME/KEY: CDS
89 <222> LOCATION: (1)..(432)
90 <223> OTHER INFORMATION: coding sequence of equine GM-CSF gene
91 <400> SEQUENCE: 8
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93      Met Trp Leu Gln Asn Leu Leu Leu Leu Gly Thr Val Val Tyr Ser Met
94      1          5          10          15
95      ccc gca ccc acc cgc caa ccc agc cct gtc act cgg ccc tgg cag cat      96
96      Pro Ala Pro Thr Arg Gln Pro Ser Pro Val Thr Arg Pro Trp Gln His
97      20          25          30
98      gtg gat gcc atc aag gag gcc ctg agc ctt ctg aac aac agt agt gac      144
99      Val Asp Ala Ile Lys Glu Ala Leu Ser Leu Leu Asn Asn Ser Ser Asp
100     35          40          45

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101  act gct gct atc atg aat gaa aca gta gaa gtc gtc tct gaa acg ttt      192
102  Thr Ala Ala Ile Met Asn Glu Thr Val Glu Val Val Ser Glu Thr Phe,
103      50                      55                      60
104  gac gcc gag gag ctg aca tgc ctg cag act cgc ctg aag ctg tac aaa      240
105  Asp Ala Glu Glu Leu Thr Cys Leu Gln Thr Arg Leu Lys Leu Tyr Lys
106      65                      70                      75
107  cag ggc ttg cgg ggc agc ctc atc aag ctc gaa ggc ccc ttg acc atg      288
108  Gln Gly Leu Arg Gly Ser Leu Ile Lys Leu Glu Gly Pro Leu Thr Met
109      85                      90                      95
110  atg gcc agc cac tac aag cag cac tgc ccc ccc acc ctg gaa act tcc      336
111  Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Leu Glu Thr Ser
112      100                      105                      110
113  tgt gca acc cag atg atc acc ttc aaa agt ttc aaa aag aac ctg aag      384
114  Cys Ala Thr Gln Met Ile Thr Phe Lys Ser Phe Lys Lys Asn Leu Lys
115      115                      120                      125
116  gat ttt ctg ttt gag atc ccg ttt gac tgc tgg aag cca gcc cag aag      432
117  Asp Phe Leu Phe Glu Ile Pro Phe Asp Cys Trp Lys Pro Ala Gln Lys
118      130                      135                      140
119  taa      435
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123 <212> TYPE: PRT
124 <213> ORGANISM: Equine sp.
125 <400> SEQUENCE: 9
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127      1                      5                      10                      15
128  Pro Ala Pro Thr Arg Gln Pro Ser Pro Val Thr Arg Pro Trp Gln His
129      20                      25                      30
130  Val Asp Ala Ile Lys Glu Ala Leu Ser Leu Leu Asn Asn Ser Ser Asp
131      35                      40                      45
132  Thr Ala Ala Ile Met Asn Glu Thr Val Glu Val Val Ser Glu Thr Phe
133      50                      55                      60
134  Asp Ala Glu Glu Leu Thr Cys Leu Gln Thr Arg Leu Lys Leu Tyr Lys
135      65                      70                      75                      80
136  Gln Gly Leu Arg Gly Ser Leu Ile Lys Leu Glu Gly Pro Leu Thr Met
137      85                      90                      95
138  Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Leu Glu Thr Ser
139      100                      105                      110
140  Cys Ala Thr Gln Met Ile Thr Phe Lys Ser Phe Lys Lys Asn Leu Lys
141      115                      120                      125
142  Asp Phe Leu Phe Glu Ile Pro Phe Asp Cys Trp Lys Pro Ala Gln Lys
143      130                      135                      140

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RAW SEQUENCE LISTING ERROR SUMMARY
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 21
Seq#:2; Line(s) 34

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10614481.raw

Output Set: N:\CRF4\11302004\J614481.raw

L:19 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:32 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:35 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2